

Rotary Molder Belts

HRM-180 CPLP-WM1



Main industry segments

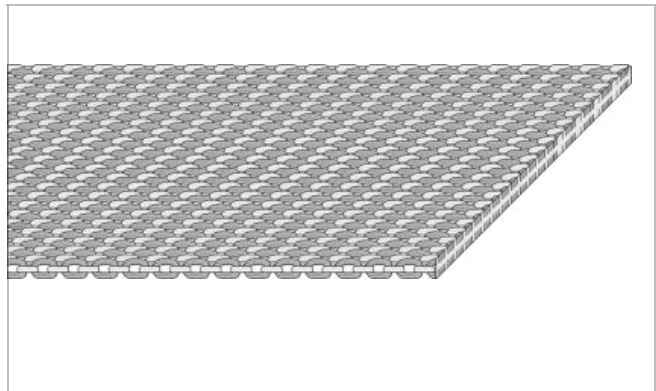
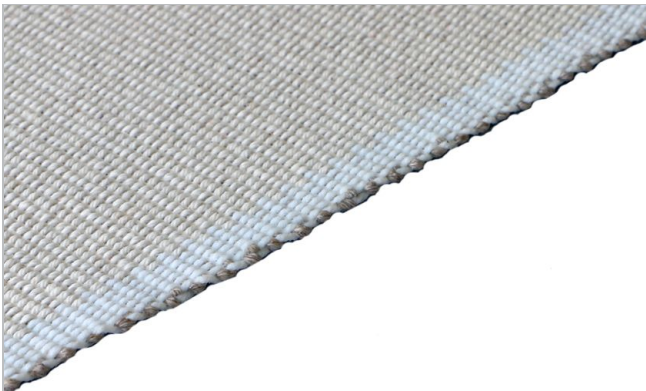
Biscuit and Crackers

Applications

Rotary molder belt

Special features

Small pulley diameter suitable, Ideal for thin biscuits, Versatile, Good absorption, No splice failure, Uniform belt thickness



Product Construction / Design	
Belt carcass	Endless woven
Conveying side surface	Fabric
Conveying side property	Non-adhesive
Conveying side color	Off-white
Number of Fabrics	1
Traction layer weave	Plain weave
Traction layer warp material	Cotton, Polyamide
Traction layer weft material	Linen
Impregnated Elastomer	Thermoplastic polyurethane (TPU)
Pulley side surface	Impregnated fabric
Pulley side property	Medium-adhesive
Pulley side color	Off-white

Product characteristics	
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, EU conformance	Yes - Check Document of Compliance (DoC) in our Portal

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Technical data		
Thickness of belt	1.8 mm	0.07 inch
Mass of belt (belt weight)	1.1 kg/m ²	0.225 lb/sqft
Knife-edge (nosebar) radius (minimum)	2 mm	0.079 inch
Pulley diameter minimum with counter flection	25 mm	0.98 inch
Tensile force for 1% elongation after relaxation (k1 % relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	2.6 N/mm	15 lbf/in
Ultimate tensile strength	67 N/mm	383 lbf/in
Max. operating temperature admissible (continuous)	min. 10 °C 100	min. 50 °F 212
Maximum operation temperature (short term)	120 °C	248 °F

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Belt length		Maximum belt width	
[mm]	[inch]	[mm]	[inch]
500 - 1.200	19.68 - 47.24	600	23.62
1.200 - 2.000	47.24 - 78.74	1200	47.24
2.000 - 20.000	78.74 - 787.40	2000	78.74

Longer belt lengths are possible upon request. Please, contact your Habasit representative for detailed information.

Dimensional tolerance	
Dimensional tolerance width	+/- 1%
Dimensional tolerance circumference	+/- 1%

Mode of use or conveyance

Horizontal

Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation

After a long still stand, it is advisable to spray or to moisten the belt before it passes the knife edge under low tension to prevent breaking of yarns, After use, always untension the belt to release belt strength and tension, It is advisable to saturate or moisten the belt with fat, processing oil or even water (depending on dough) to increase the suction effect. We recommend to treat the belt once mounted to avoid the shrinkage due to mechanical ingress.

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Group	Rotary Molder Belts
Sub-Group	-
Item number	H950027503

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